Weatheradio Alert (120-0143) Features Faxback Doc. # 8595

The realistic Weatheradio Alert is designed to receive National Weather Service broadcasts 24 hours a day. Stations across most of the USA provide continuous weather information. The weatheradio receives these transmissions from up to 50 miles. The weatheradio also has an alarm circuit that sounds when the weather station broadcasts a special trigger signal.

Battery Saving Circuit - minimizes power consumption in the alert mode.

Selectable Mode Switch (A, B, or C) - allows selection of one of the three weather stations.

Alert Lock and Test Functions - provide a continuous alarm tone and allow convenient alert testing.

Light-Weight Compact Design - lets you carry the radio anywhere.

Weatheradio Alert (120-0143) Battery Information Faxback Doc. # 7161

1. Slide the battery compartment cover in the direction of the arrow, and remove the cover.

2. Install three AA batteries as indicated by the drawing in the compartment. Use alkaline batteries, such as Radio Shack Cat. No.23-552, for extended life.

Caution: Be sure to observe proper battery polarity (+ and -). Incorrect battery installation can damage your unit.

3. Replace the compartment cover.

Notes: If reception becomes weak or the sound becomes distorted, try new batteries.

Never leave weak or dead batteries in your unit. Even so-called leakproof batteries can leak damaging chemicals.

If you are not going to use your unit for a week or more, remove the batteries.

LISTENING TO THE RADIO

1. Set the mode switch to WEATHER.

2. Turn the VOLUME/OFF control to the left until it clicks on, and adjust it for the desired loudness.

3. Fully extend the telescoping antenna.

4. Set the FREQUENCY switch to the position (A, B, or C) that produces the clearest signal.

USING THE ALERT ALARM

In the event of a weather emergency, the National Weather Service broadcasts a special signal that causes your Weatheradio Alert to sound an alert tone. This warns you that emergency weather information is about to be broadcast.

1. Turn on the radio.

2. Set the FREQUENCY switch to the position that produces the clearest signal.

3. Set the mode switch to ALERT.

In an emergency weather situation, your weatheradio automatically sounds an alarm for 10 seconds at full power, regardless of the volume setting. After hearing the alarm you can set the mode switch to WEATHER to hear emergency information.

Note: Because the special signal is broadcast for 10 seconds, if you set the mode switch to WEATHER immediately after the tone starts to sound, you will hear the special signal, and then the emergency information.

4. Adjust the VOLUME/OFF control to a comfortable listening level.

5. Return the mode switch to ALERT if you want to monitor the alarm for further emergency broadcasts.

USING ALERT LOCK

If you are out of the room or away from your weatheradio, you might miss an emergency broadcast. When out of hearing range of the alarm tone, leave the mode switch set to ALERT LOCK. In the ALERT LOCK mode, the alert tone stays on until you change the mode setting. Use the WEATHER setting to turn off the tone and listen for more emergency information. Return the unit to the ALERT setting to stand by to receive another emergency alert.

TESTING THE ALARM

You can test the alarm by pressing [TEST].

1. Turn on the radio.

2. Set the MODE switch to ALERT or ALERT LOCK.

3. Press [TEST].

4. If the mode switch is set to ALERT, the alarm tone sounds only when you hold down [TEST]. Releasing it stops the alarm. If you set the switch to ALERT Lock, the alarm tone sounds until you change the mode switch setting.

Note: If the alarm tone becomes weak, this indicates that the batteries are weak and should be replaced. Replace all three batteries with fresh alkaline batteries.

Weatheradio Alert (120-0143) Specifications Faxback Doc. # 8596

Standard Test Conditions
Speaker Impedance.....8 Ohm (use resistive load)
Reference output level.....50 mW total power
Test frequency.....A: 162.400 MHz
.....B: 162.475 MHz
.....C: 162.550 MHz
Modulation.....400 Hz, 3.3 kHz deviation
Power supply.....4.5 V DC

Connect signal generator hot lead through 3 pF capacitor to tuner terminal.
Disconnect telescopic cable.

		Freq.	Unit	Nominal	Limit
1.	Frequency	A	MHz	162.400	---
		B	MHz	162.475	---
		C	MHz	162.550	---
2.	Alert Sensitivity (Mod. = 1050 Hz, 4.25 kHz dev.)	B	microV	0.35	1.5
3.	20 dB quieting sensitivity		microV	0.5	1.5
4.	-3 dB limiting sensitivity	B	microV	1.0	4.0
5.	Distortion at 250 microV input	B	%	0.5	2.0
6.	Power output at 10% THD (at 100 microV input)	B	mW	150	120
7.	Maximum power output (at 100 microV input)	B	mW	230	180
8.	S/N ratio (at 250 microV input)	B	dB	55	45
9.	IF rejection at 10.7 MHz	B	dB	100	80
10.	De-emphasis at 1 kHz to 2 kHz	B	dB	-6	-6+/-3
11.	OSC drop out voltage	B	V	2.5	3.0
12.	DC current drain at no signal (WEATHER position)	B	mA	18	25

Frequency Coverage:..... Weather band A: 162.400 MHz
B: 162.475 MHz
C: 162.550 MHz
Power Output.....Maximum-230 mW
Power Requirement:.....Three AA batteries
Antenna:.....Telescopic antenna
Dimensions:.....2 3/4" x 4-15/16" x 1"
(W X H X D)
(70 X 125 X 25 mm)
Weight:.....4.2 OZ (120g)

Specifications are typical; individual units might vary. Specifications are subject to change without notice.

(br/ir-05/15/95)
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